

REPLACEMENT SHEET

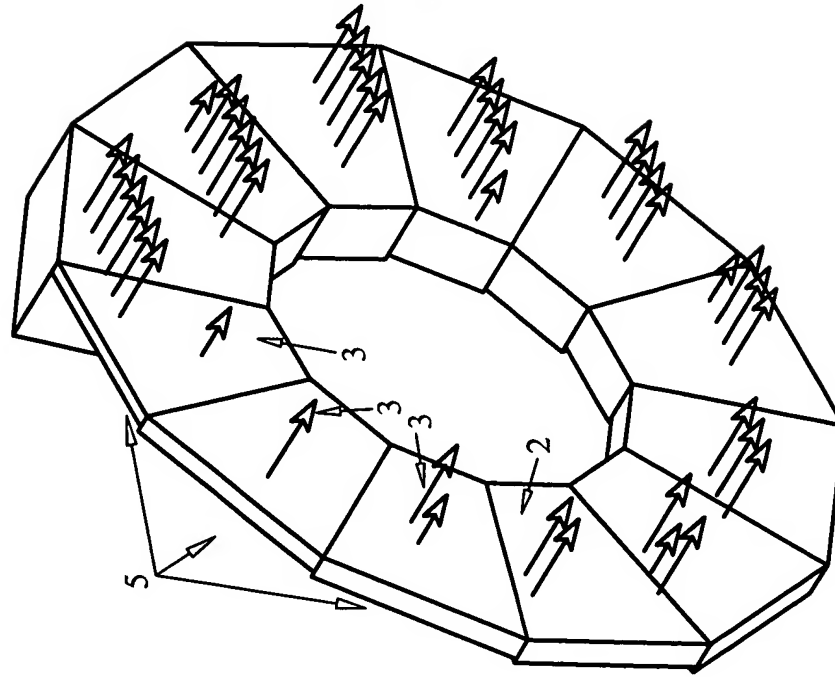


FIG. 2

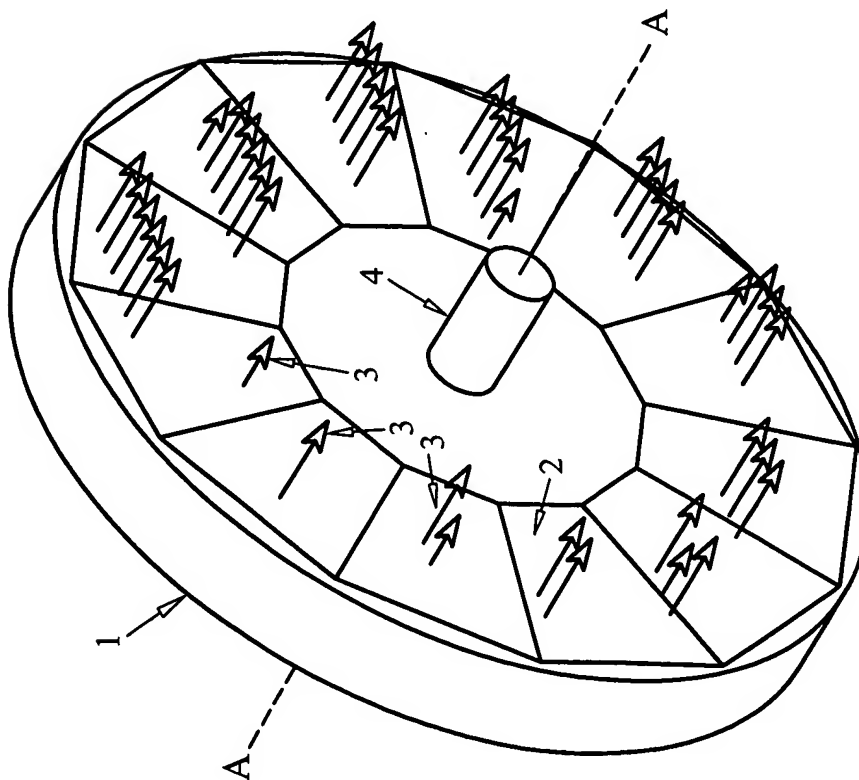
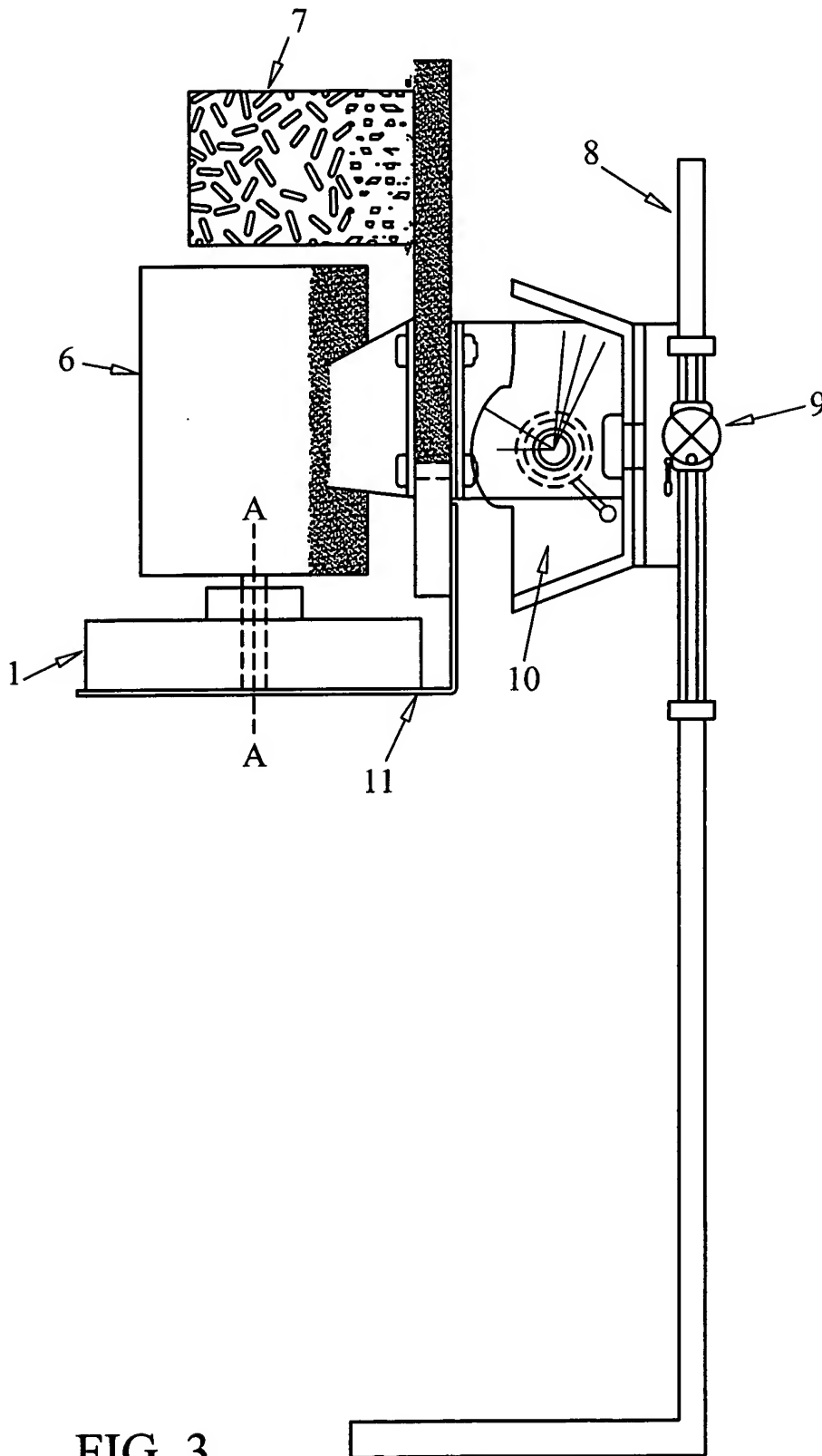


FIG. 1

REPLACEMENT SHEET



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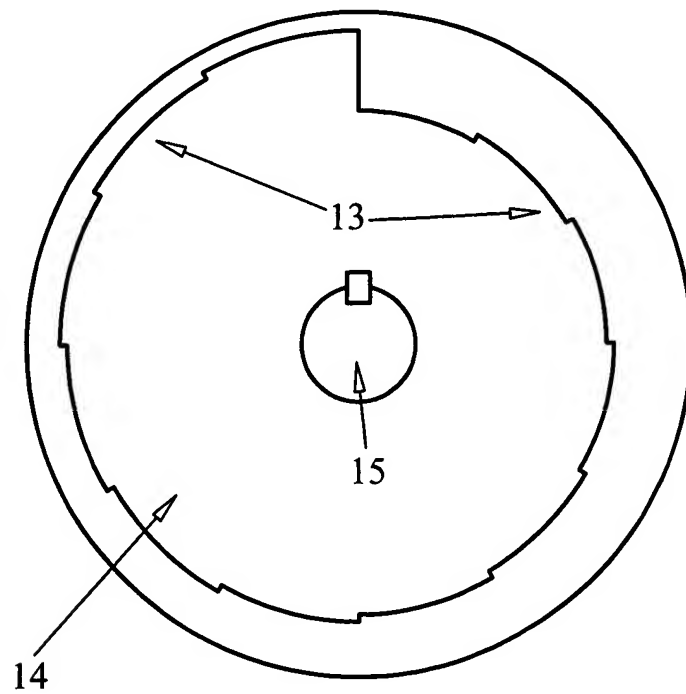
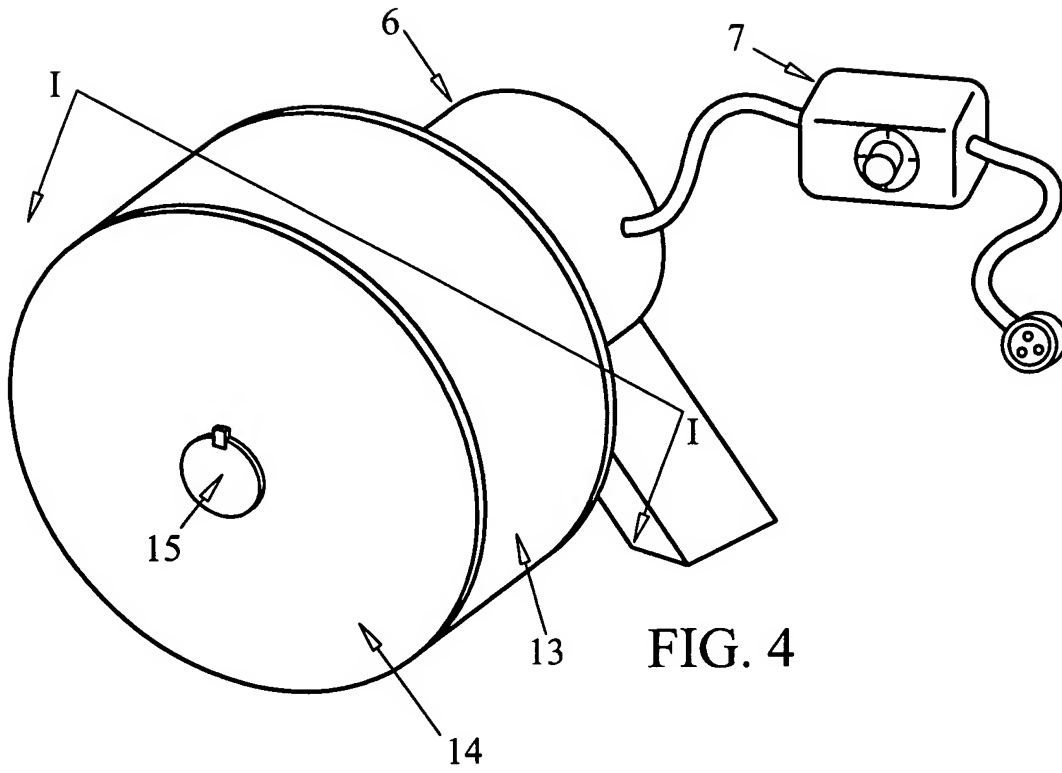


FIG. 5

REPLACEMENT SHEET

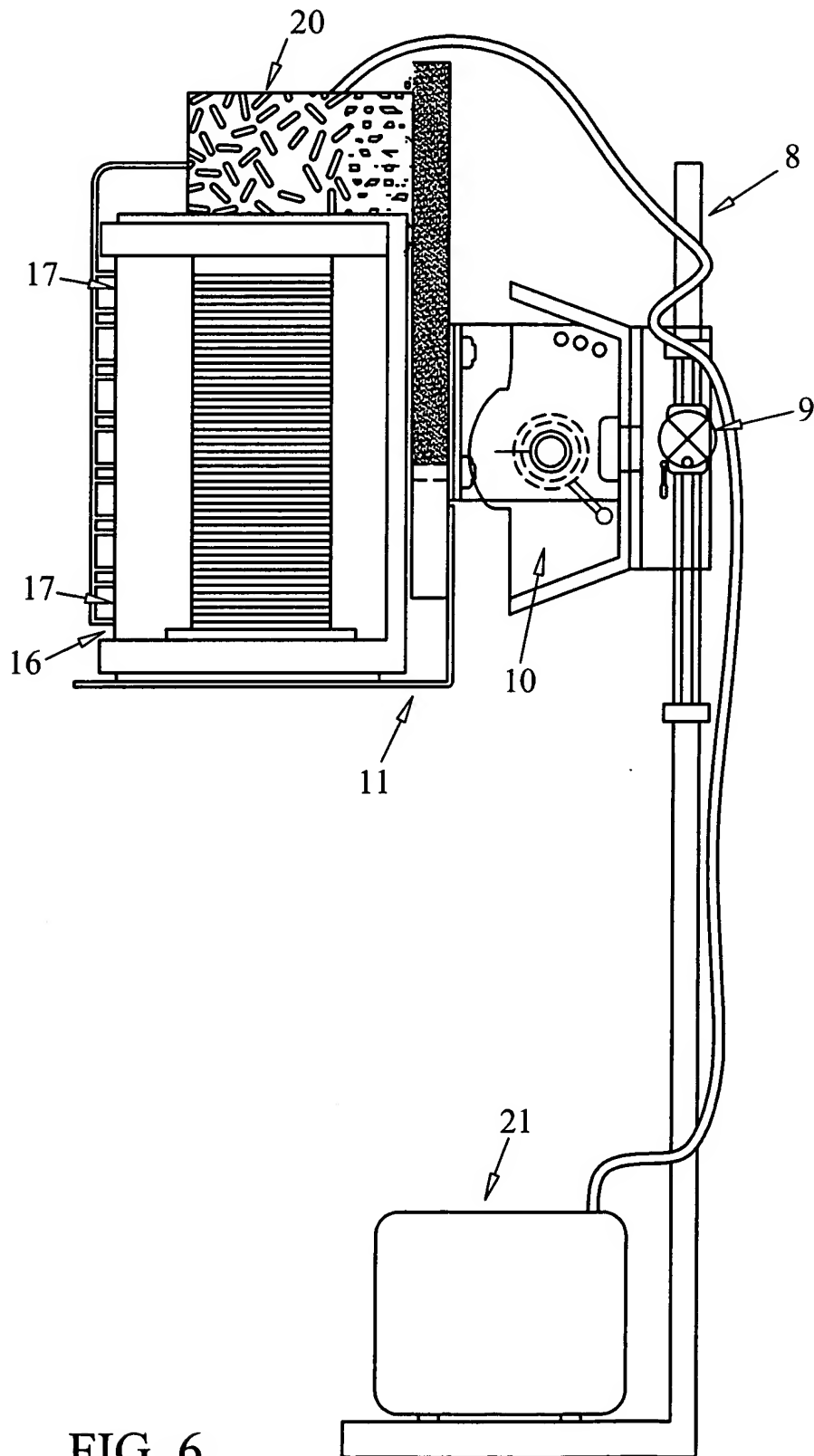


FIG. 6

REPLACEMENT SHEET

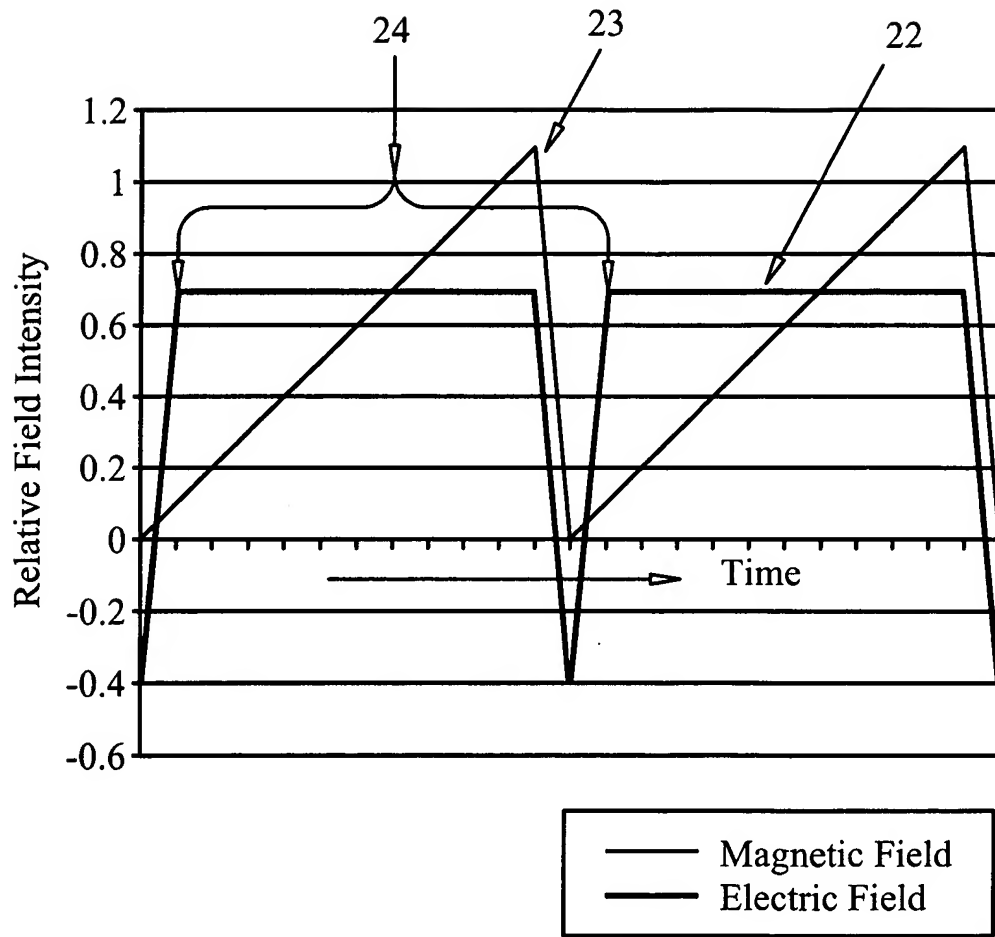


FIG. 7

REPLACEMENT SHEET

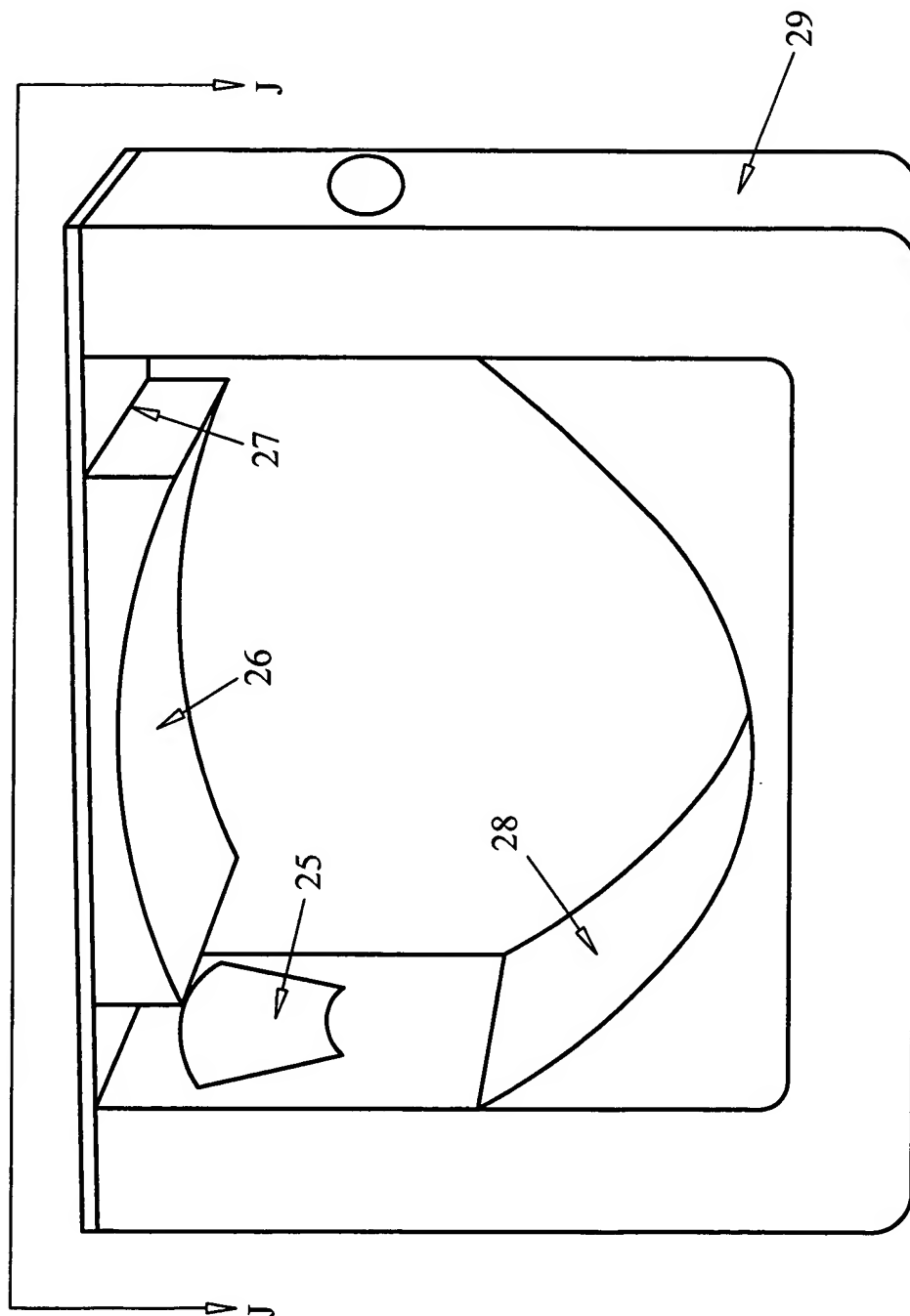


FIG. 9

REPLACEMENT SHEET

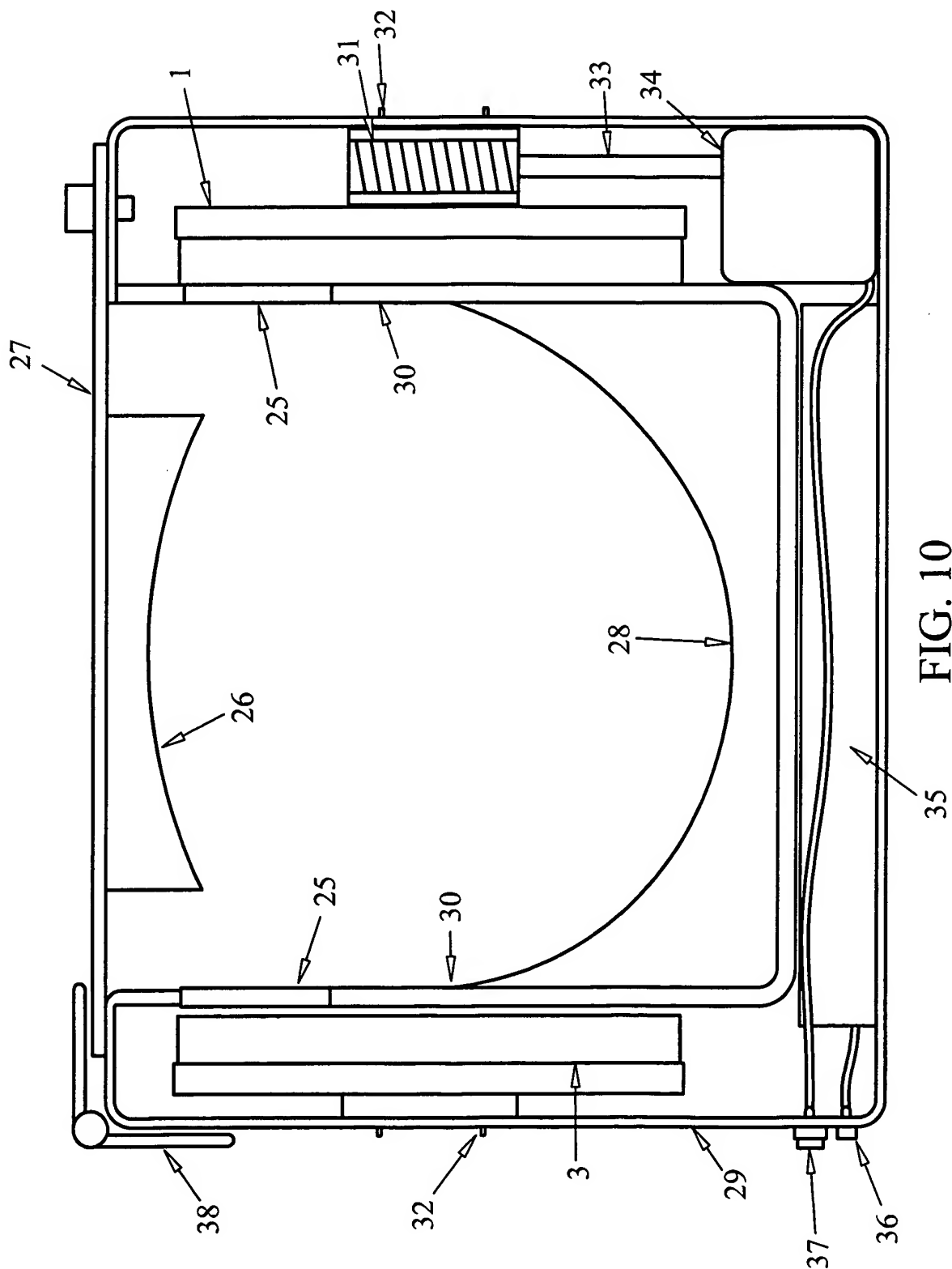
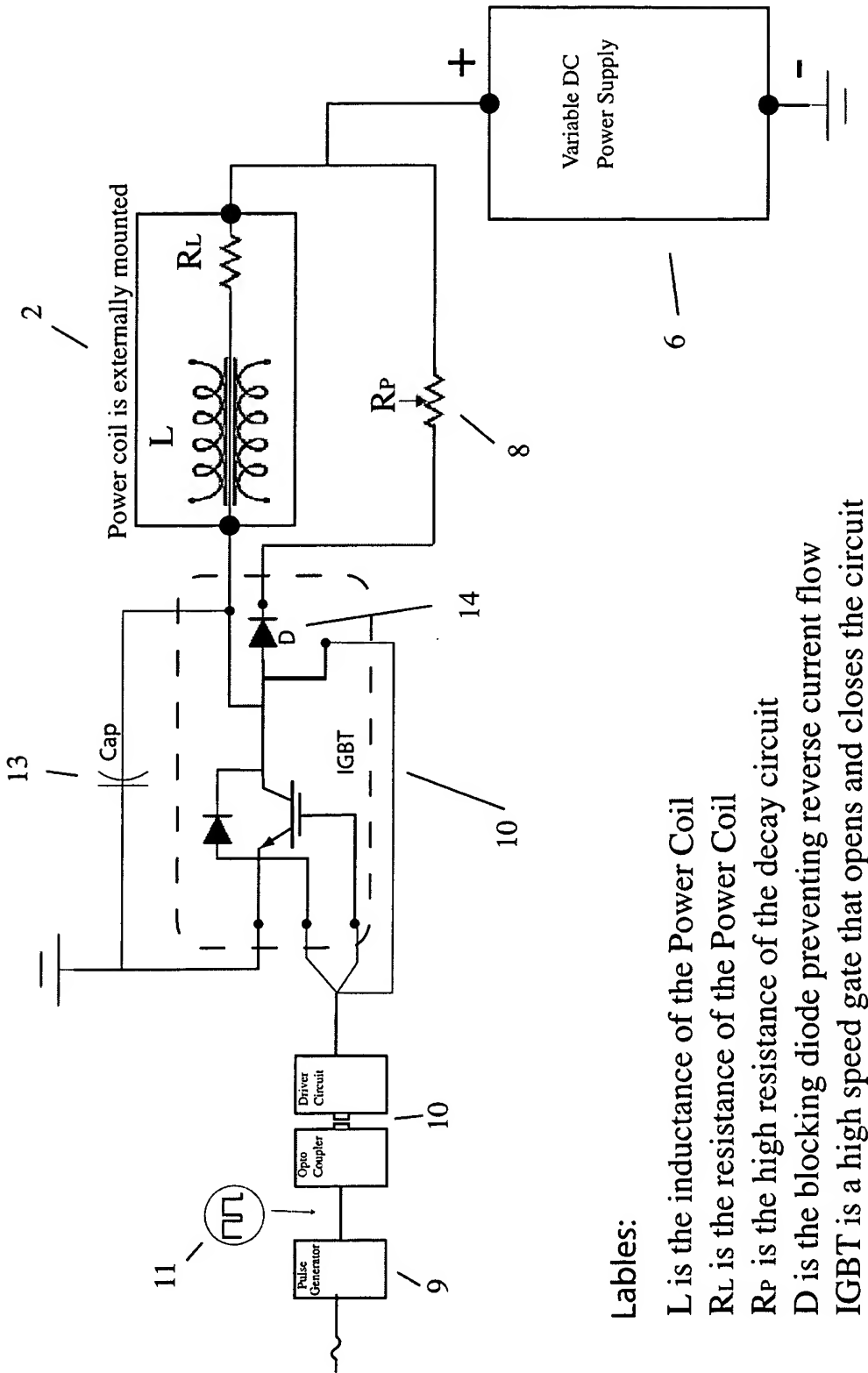


FIG. 10

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Labels:

L is the inductance of the Power Coil

R_L is the resistance of the Power Coil

R_P is the high resistance of the decay circuit

D is the blocking diode preventing reverse current flow

IGBT is a high speed gate that opens and closes the circuit

FIG. 12

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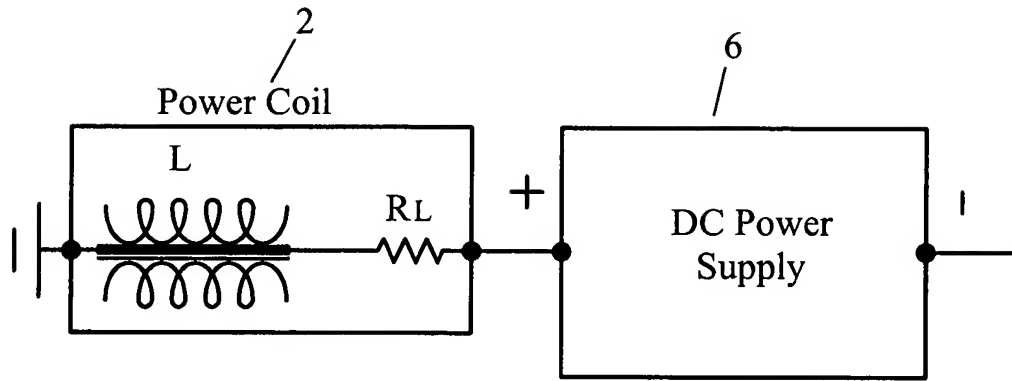


FIG. 13A

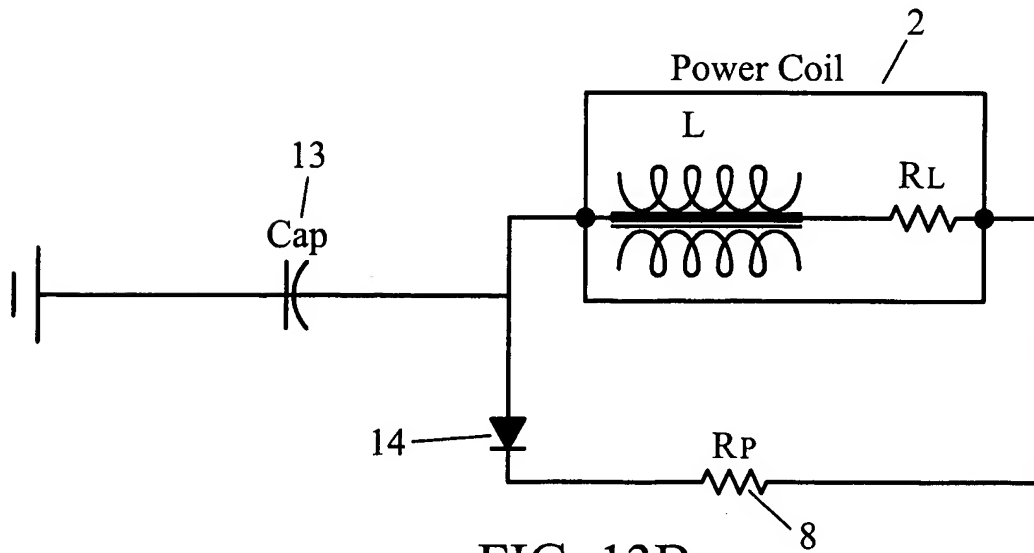


FIG. 13B

REPLACEMENT SHEET

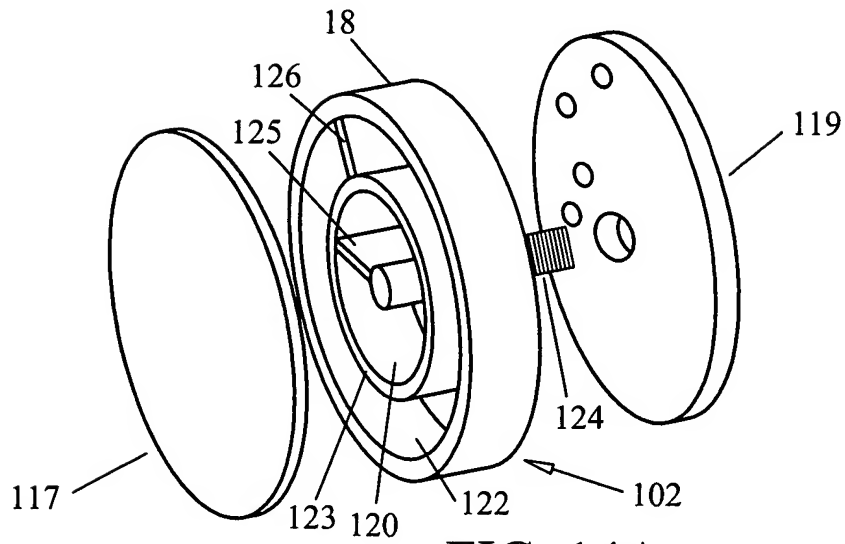


FIG. 14A

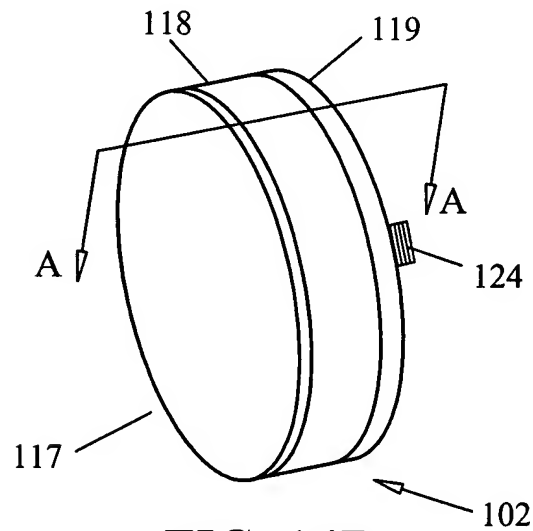


FIG. 14B

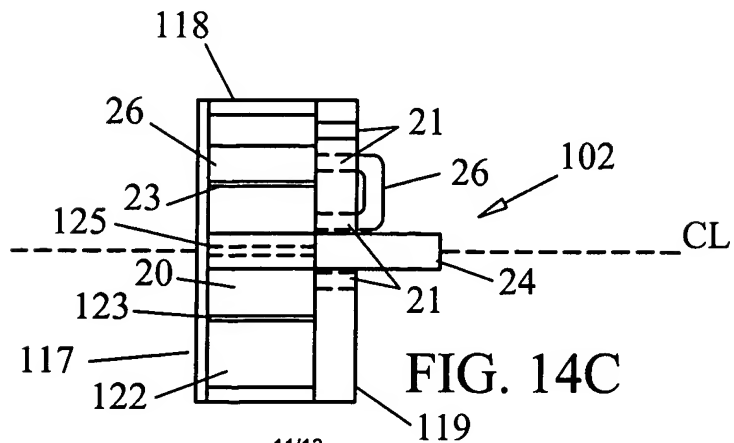


FIG. 14C

REPLACEMENT SHEET

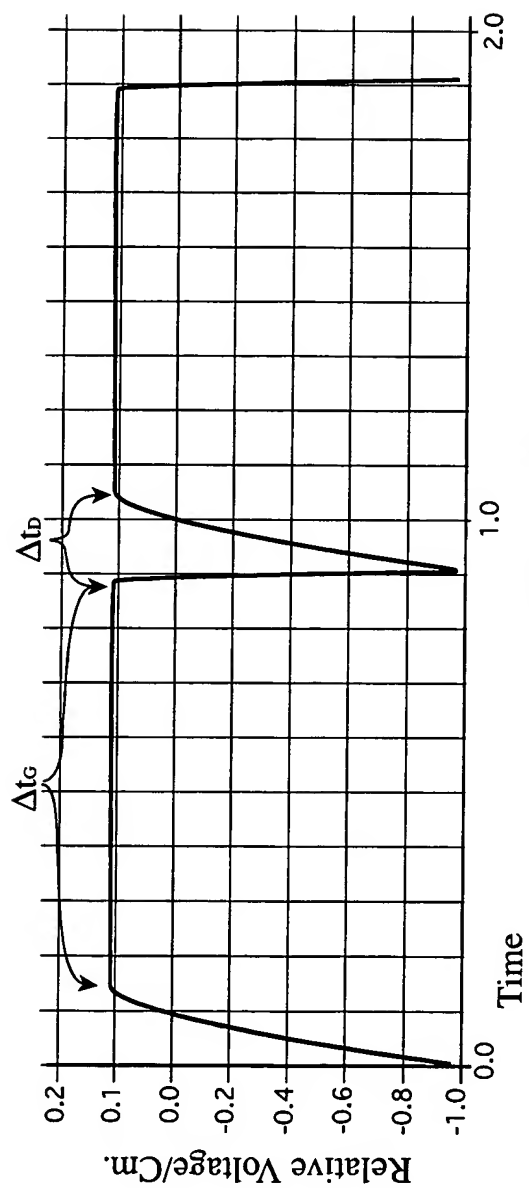


FIG. 15A

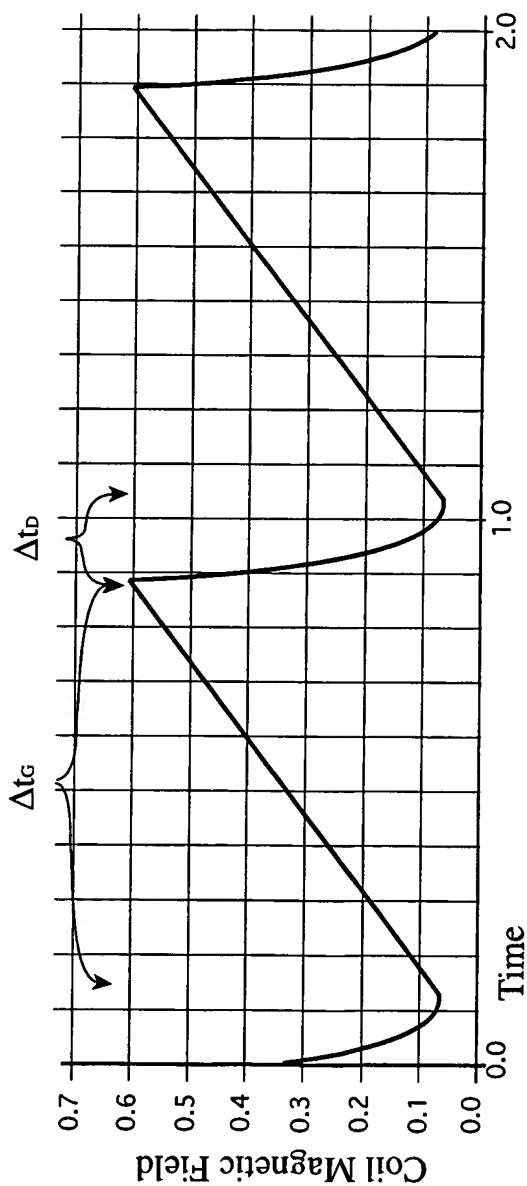


FIG. 15B

E - - -
 $B \& i$ - - -

